

# HV Domestic ETFs as of 12/20/2018

Ticker	ETF Name	Orientation	M-Index	4 wk	8 wk	12 wk	YTD	%M/A	DD%
SPLV	PowerShares S&P 500 Low Volat.	Large Cap Blend	-3	-4.05%	-2.57%	-5.04%	-2.16%	-3.14%	-7.41%
XMLV	PowerShares S&P MidCap Low Volatility Portfolio	Mid Cap Blend Equities	-4	-5.48%	-3.30%	-6.80%	-1.19%	-4.69%	-9.27%
USMV	iShares Edge MSCI Min Vol USA	All Cap Equities	-5	-5.15%	-4.84%	-8.60%	-1.69%	-4.68%	-9.88%
VOOG	Vanguard S&P 500 Growth	Large Cap Growth Equi	-8	-4.98%	-9.34%	-16.33%	-3.05%	-10.29%	-16.66%
SPYG	S&P 500 Growth	Large Cap Growth	-8	-4.81%	-9.02%	-16.04%	-2.79%	-9.99%	-16.39%
IWW	S&P 500/BARRA Growth	Large Growth	-8	-5.05%	-9.29%	-16.30%	-3.01%	-10.20%	-16.63%
DIA	SPDR Dow Jones Industrial Average	Large Cap Value	-9	-5.73%	-8.36%	-13.38%	-7.47%	-8.68%	-14.58%
RPG	Guggenheim S&P 500 Pure Growth	Large Growth	-9	-5.60%	-7.92%	-18.14%	-6.32%	-13.54%	-19.06%
SCHG	Schwab U.S. Large-Cap Growth	Large Cap Growth Equi	-9	-5.78%	-10.06%	-17.52%	-4.27%	-11.33%	-17.70%
MTUM	iShares Edge MSCI USA Momentum Factores	All Cap Equities	-9	-4.38%	-9.17%	-18.04%	-5.56%	-12.07%	-18.58%
SPY	SPDR S&P 500	Large Cap Blend	-9	-6.11%	-8.48%	-14.97%	-7.38%	-10.21%	-15.81%
QQQ	PowerShares QQQ Trust, Series 1	Large Growth	-9	-4.35%	-10.97%	-18.05%	-2.23%	-11.54%	-18.45%
VTV	Vanguard Value	Large Cap Value	-9	-6.81%	-6.72%	-12.78%	-8.57%	-8.74%	-14.17%
IUSG	iShares Core U.S. Growth	Large Cap Growth Equi	-9	-5.61%	-9.65%	-16.74%	-3.92%	-10.86%	-17.05%
GSLC	Goldman Sachs ActiveBeta U.S. Large CaP	Large Cap Blend Equiti	-9	-6.44%	-8.56%	-15.38%	-6.92%	-10.68%	-16.17%
VV	Vanguard LargeCap	Large Cap Blend	-9	-6.10%	-8.42%	-15.39%	-7.37%	-10.30%	-15.84%
MGK	Vanguard Mega Cap Growth	Large Cap Growth Equi	-10	-4.82%	-10.99%	-18.34%	-5.65%	-11.94%	-18.38%
IWV	Russell 3000 Index	All Cap Equities	-10	-7.14%	-9.21%	-16.17%	-8.71%	-11.62%	-17.08%
QUAL	iShares Edge MSCI USA Quality Factor	All Cap Equities	-10	-6.78%	-9.09%	-16.62%	-9.24%	-11.54%	-17.55%
VUG	Vanguard Growth	Large Cap Growth	-10	-5.32%	-10.21%	-18.19%	-6.08%	-12.01%	-18.19%
IWP	Russell MidCap Growth	Mid-Cap Growth	-10	-7.48%	-7.67%	-18.36%	-8.29%	-13.08%	-19.52%
RSP	Guggenheim S&P Equal Weight	Large Blend	-10	-7.86%	-7.64%	-15.02%	-10.30%	-11.47%	-16.54%
IWF	Russell 1000 Growth	Large Growth	-10	-5.42%	-10.14%	-17.93%	-4.94%	-11.58%	-18.12%
SPHQ	PowerShares S&P 500 Quality Portfolio	Large Cap Blend Equiti	-10	-5.98%	-9.38%	-16.34%	-10.18%	-11.04%	-16.89%
IWD	Russell 1000 Value	Large Value	-10	-8.21%	-7.90%	-13.45%	-11.93%	-10.74%	-16.75%
IWB	Russell 1000 Index	Large Blend	-10	-6.88%	-9.01%	-15.75%	-8.31%	-11.13%	-16.62%
SCHV	Schwab U.S. Large-Cap Value	Large Cap Value Equiti	-10	-7.79%	-7.53%	-13.20%	-11.01%	-10.25%	-16.12%
SCHX	Schwab U.S. Large-Cap	Large Cap Blend Equiti	-10	-6.67%	-8.94%	-15.55%	-7.89%	-10.85%	-16.38%
VTI	Total Stock Market VIPERs	All Cap Equities	-10	-6.63%	-8.68%	-16.05%	-8.07%	-11.07%	-16.61%
VOT	Vanguard Mid-Cap Growth	Mid-Cap Growth	-10	-7.28%	-7.51%	-17.87%	-8.30%	-12.75%	-18.50%
VOO	Vanguard S&P 500	Large Cap Blend Equiti	-10	-6.76%	-9.07%	-15.51%	-8.01%	-10.83%	-16.35%
ITOT	iShares Core S&P Total U.S. Stock Market	All Cap Equities	-10	-7.26%	-9.31%	-16.29%	-8.75%	-11.71%	-17.18%
IVV	S&P 500	Large Blend	-10	-6.74%	-9.04%	-15.50%	-7.97%	-10.78%	-16.34%
SCHB	Schwab U.S. Broad Market	All Cap Equities	-10	-7.15%	-9.21%	-16.20%	-8.60%	-11.58%	-17.07%
IVE	S&P 500/BARRA Value	Large Value	-11	-8.37%	-8.48%	-14.25%	-12.96%	-11.19%	-17.90%
FNDX	Schwab Fundamental U.S. Large Company Index	Large Cap Value Equiti	-11	-7.98%	-9.59%	-15.63%	-10.68%	-11.61%	-16.97%
PRF	PowerShares FTSE RAFI US 1000	Large Cap Value	-11	-7.62%	-9.01%	-15.04%	-11.20%	-11.48%	-16.52%
VO	Vanguard Mid-Cap	Mid-Cap Blend	-11	-8.21%	-7.94%	-16.93%	-11.65%	-13.14%	-17.89%
PDP	PowerShares DWA Momentum Portfolio	All Cap Equities	-11	-6.97%	-10.03%	-20.38%	-8.43%	-14.50%	-21.30%
PKW	PowerShares Buyback Achievers	All Cap Equities	-11	-9.10%	-8.47%	-15.15%	-12.13%	-11.03%	-18.06%
VBK	Vanguard SmallCap Growth	Small Cap Growth	-12	-8.91%	-10.57%	-21.08%	-8.39%	-15.37%	-22.44%

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MDY	MidCap Trust Series I	Mid-Cap Blend	-12	-9.71%	-9.12%	-18.01%	-13.09%	-14.67%	-19.63%
IWS	Russell MidCap Value	Mid-Cap Value	-12	-9.31%	-9.08%	-15.77%	-15.06%	-13.72%	-18.43%
FEX	First Trust Large Cap Core AlphaDEX	Large Cap Blend Equity	-12	-8.25%	-9.38%	-17.82%	-12.38%	-13.90%	-18.64%
VOE	Vanguard Mid Cap Value	Mid-Cap Value	-12	-9.17%	-8.45%	-15.92%	-14.49%	-13.51%	-19.00%
IJK	S&P MidCap 400/BARRA Growth	Mid-Cap Growth	-12	-9.37%	-8.95%	-18.62%	-12.33%	-15.12%	-20.46%
SCHM	Schwab U.S. Mid Cap	Mid Cap Blend Equities	-12	-9.48%	-9.52%	-18.27%	-11.49%	-14.01%	-19.74%
VXF	Vanguard Extended Markets VIPERs	Mid Cap Blend	-13	-9.68%	-10.50%	-20.01%	-12.45%	-16.02%	-21.84%
IJH	S&P MidCap 400	Mid-Cap Blend	-13	-9.97%	-9.32%	-18.23%	-13.53%	-15.01%	-19.94%
IJJ	S&P MidCap 400/BARRA Value	Mid-Cap Blend	-13	-10.88%	-9.94%	-18.12%	-14.78%	-15.03%	-19.96%
IJT	S&P SmallCap 600/BARRA Growth	Small Growth	-13	-10.92%	-10.62%	-21.48%	-7.15%	-16.04%	-24.44%
VBR	Vanguard SmallCap Value	Small Cap Value	-13	-10.29%	-9.55%	-18.58%	-14.38%	-15.31%	-20.46%
VB	Vanguard SmallCap	Small Cap Blend	-13	-9.63%	-10.07%	-19.70%	-11.72%	-15.32%	-21.31%
VLUE	iShares Edge MSCI USA Value Factor	Large Cap Value Equiti	-14	-9.44%	-12.35%	-18.49%	-14.45%	-14.92%	-19.97%
IJR	S&P Sm.Cap 600	Small Blend	-14	-11.86%	-12.11%	-21.82%	-11.55%	-17.60%	-24.77%
IWM	Russell 2000	Small Blend	-14	-10.89%	-11.62%	-21.57%	-13.56%	-17.69%	-23.83%
IWN	Russell 2000 Value	Small Value	-14	-11.29%	-11.21%	-19.42%	-15.13%	-16.96%	-22.15%
RPV	Guggenheim S&P 500 Pure Value	Large Value	-14	-10.43%	-11.40%	-17.87%	-14.99%	-15.02%	-20.75%
IVOV	Vanguard S&P Mid-Cap 400 Value	Mid Cap Value Equities	-14	-12.52%	-11.11%	-19.22%	-14.87%	-15.78%	-20.73%
SCHC	Schwab International SmallCap Equ.	Foreign Small/Mid Blen	-15	-8.55%	-9.84%	-19.84%	-21.49%	-18.19%	-26.46%
SCHA	Schwab U.S. Small-Cap	Small Cap Blend Equiti	-15	-10.97%	-11.44%	-21.38%	-14.43%	-17.61%	-23.70%
IWO	Russell 2000 Growth	Small Growth	-15	-10.78%	-12.16%	-23.65%	-12.29%	-18.52%	-25.68%
IJS	S&P SmallCap 600/BARRA Value	Small Value	-16	-12.52%	-13.41%	-22.07%	-15.65%	-18.97%	-25.23%
IWR	Russell MidCap Index Fs	Mid-Cap Blend	-61	-8.54%	-77.12%	-79.19%	-78.02%	-74.63%	-79.58%